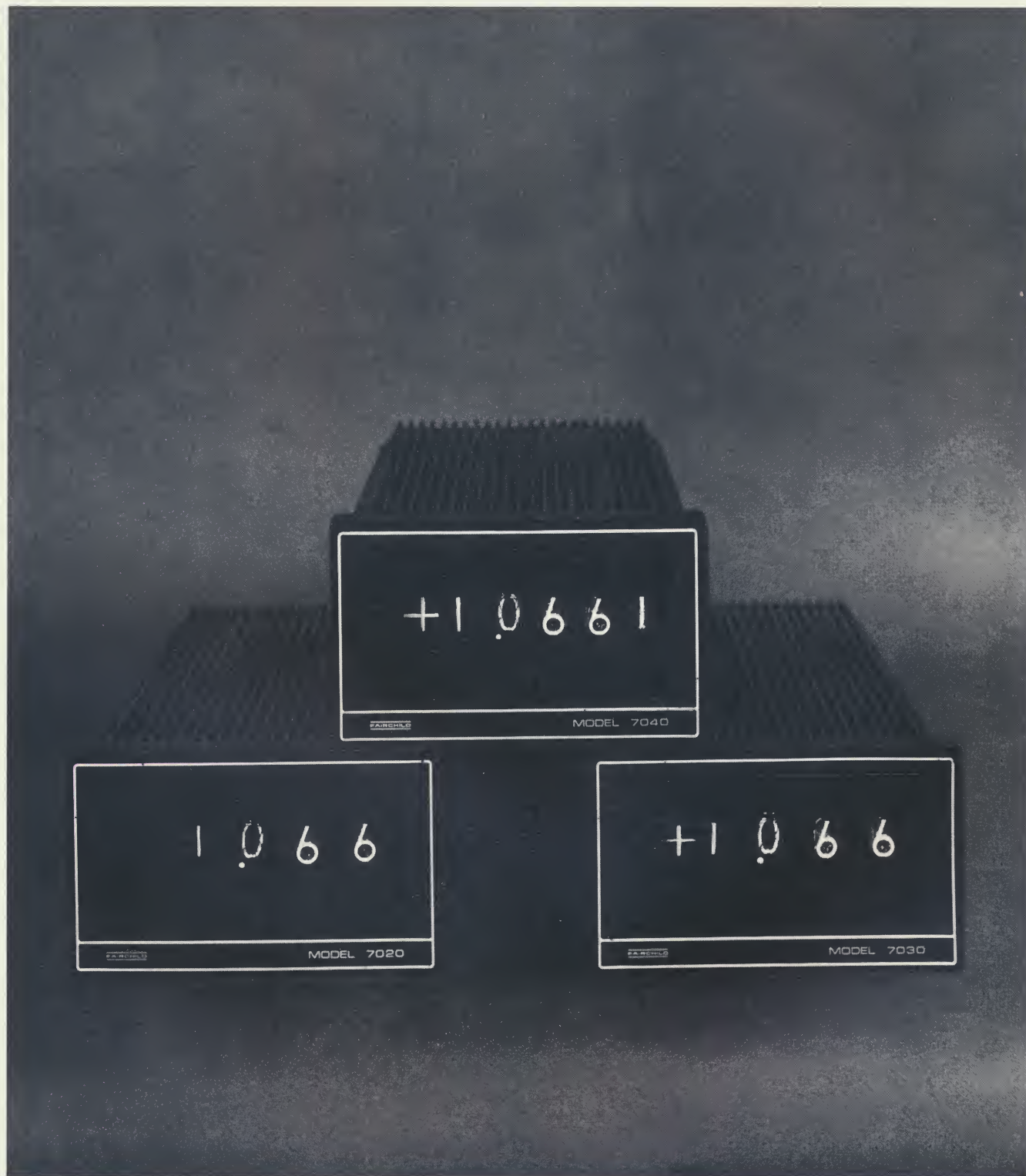


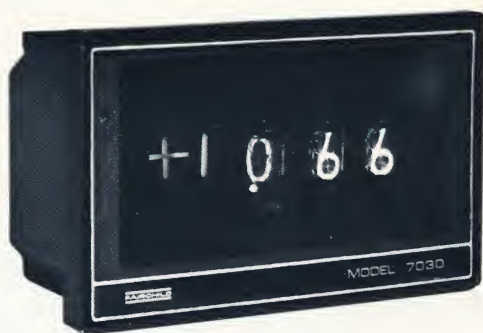
PANEL MOUNTING DIGITAL METERS

Fairchild Instrumentation provides a comprehensive line of digital panel meters with Models 7020, 7030, and 7040. These are compact, low cost, quality, panel mounting units designed for easy access and use in system and OEM applications. All offer non-blinking digital display that is accurate, fast, and simple, utilizing the reliable Dual Slope Integration technique.

The 7020 is a single range, single polarity, digital meter with three readout tubes and an overrange digit (1), accuracy of $\pm 0.1\%$, 1mV resolution over the standard 1.500V F.S. range, and operates at 3 readings per second.

The 7030 and 7040 both offer the advantages of dual polarity and optional ratio capability in the same compact aluminum casting as the 7020. The 7030 is a three digit meter with overrange digit; accuracy of $\pm 0.1\%$, reads at a speed of 6 readings per second. Faster reading speeds are available on special order. The 7040 provides four digits with overrange, increased accuracy at $\pm 0.05\%$ at a speed of 6 readings per second.





Remote readouts for the 7030, a three digit unit, and the 7040, a four digit unit, may be purchased separately for the same price as listed below. These units may be used with other compatible voltmeters, and offer the same readout characteristics as the models 7030 and 7040 panel meters. Option 01, BCD, is required to drive remote readout units.

COMMON MECHANICAL AND ENVIRONMENTAL SPECIFICATIONS		MODEL 7020 THREE DIGIT PANEL METER SINGLE RANGE-SINGLE POLARITY-3 READINGS/SECOND					
Operating Temperature Relative Humidity Weight Height Width Depth (max.) (From mounting) Case Power Input	0°C - 45°C	INPUT SPECIFICATIONS	1.500V F.S. (STANDARD)	15.00V F.S. (OPTIONAL)	150.0V F.S. (OPTIONAL)	150.0mV F.S. (OPTIONAL)	1000V F.S. (OPTIONAL)
	Up to 90% at 40°C	RESOLUTION	1mV	10mV	100mV	100μV	1V
	Approximately 5 pounds	IMPEDANCE	30MΩ	10MΩ	10MΩ	30MΩ	10MΩ
		MAXIMUM INPUT	± 200V	± 1000V	± 1000V	± 200V	± 1000V
		ACCURACY	± (0.1% of reading + 0.1% of F.S.)			± 0.1% of reading + 0.1% of F.S.)	
		INPUT ISOLATION	500V DC with respect to ground				
		FULL SCALE RESPONSE TIME	<2 seconds				
		COMMON MODE REJECTION RATIO	>70 dB				
		NORMAL MODE REJECTION RATIO	>40 dB at line frequency				
			POWER SUPPLY	115V ±10%-7W-50-400Hz-(100, 220, 230V Optional, no charge)			
		PRICE					
		1 - 24	\$245.00	Add \$20.00 for optional input ranges			
		25 - 99	\$230.00	Mating connector (1 required) \$4 ea			

ELECTRICAL SPECIFICATIONS At 25°C unless specified otherwise

OPTION 01 FOR MODELS 7030 AND 7040: BCD—Print and Hold lines
±.5V. "0" STATE: ±0.25 ±

OPTION 02 FOR MODEL 7030: RATIO RANGE—1,000 : 1, \$55.00. RAT
ranges, ± (.2% of reading + .1% of F.S.)

OPTION 02 FOR MODEL 7040: RATIO RANGE—10,000 : 1, \$65.00.

For information concerning 10μV DC resolution, current, AC